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## AMENDMENTS

### In the Claims

### **Current Claims**

1 1.(currently amended) An apparatus for simulating a pulse and correlated heart beat of an  
2 animal including an human, the apparatus comprising a playback device for generating a first  
3 electronic signal corresponding to a pulse and a second electronic signal corresponding to a  
4 correlated heart beat; a tactile pulse simulator for receiving the first electronic signal and generating  
5 pressure pulses simulating an arterial pulse discernible by touch; and an audio simulator for  
6 receiving the correlated heart beat signal and recreating the heart beat to be heard through a  
7 stethoscope, and wherein the first and second electronic signals are generated from recordings of  
8 living animals including humans and wherein the simultaneous generation of correlated heart sounds  
9 and touch discernible arterial pulses is sufficient to allow training of medical practitioners to  
10 discriminate between normal cardiovascular function and abnormal cardiovascular function.

1 2.(currently amended) An apparatus for simulating a right side pulse and a left side pulse and  
2 correlated heart beat of an animal including an human, the apparatus comprising a playback device  
3 for generating a first electronic signal corresponding to the right side pulse; a second electronic  
4 signal corresponding to the left side pulse and a third electronic signal corresponding to a correlated  
5 heart beat; a first tactile pulse simulator for receiving the first electronic signal and generating  
6 pressure pulses simulating a right side arterial pulse discernible by touch; a second tactile pulse  
7 simulator for receiving the second electronic signal and generating pressure pulses simulating a left  
8 side arterial pulse discernible by touch; and an audio simulator for receiving the correlated heart beat  
9 signal and recreating the heart beat to be heard through a stethoscope, and wherein the first and  
10 second electronic signals are generated from recordings of living animals including humans and  
11 wherein the simultaneous generation of correlated heart sounds and touch discernible arterial pulses  
12 is sufficient to allow training of medical practitioners to discriminate between normal cardiovascular  
13 function and abnormal cardiovascular function.

- 3.(canceled)
- 4.(canceled)
- 5.(canceled)
- 6.(canceled)
- 7.(canceled)

1       8.(previously presented)   The apparatus of claim 1, wherein the tactile pulse simulator  
2       comprises a tactile switch capable of generating pulses simulating the arterial pulse, collapsible tube  
3       apparatus or piezoelectric transducer.

1       9.(previously presented)   The apparatus of claim 1, wherein the tactile pulse simulator and the  
2       audio simulator are housed within a housing.

1       10.(previously presented)   The apparatus of claim 9, wherein the tactile pulse simulator  
2       comprises a resilient cover covering a tactile switch capable of generating pulses simulating the  
3       arterial pulse.

11.(canceled)

12.(canceled)

13.(canceled)

1       14.(previously presented)   The apparatus of claim 1, wherein the tactile pulse simulator is within  
2       in a first housing and the audio simulator is within a second housing.

1       15.(previously presented)   The apparatus of claim 14, wherein the first housing simulates a  
2       human wrist and the tactile pulse simulator comprises a resilient cover covering a tactile switch  
3       capable of generating pulses simulating the arterial pulse and is located at a position in the wrist  
4       corresponding to a position in a patient where the arterial pulse is adapted to be detected and  
5       monitored by a medical professional.

1       16.(previously presented)   The apparatus of claim 2, wherein the tactile pulse simulators  
2       comprise tactile switches capable of generating pulses simulating the arterial pulse, collapsible tube  
3       apparatuses or piezoelectric transducers.

17.(canceled)

18.(canceled)

19.(canceled)

20.(canceled)

21.(canceled)

22.(canceled)  
23.(canceled)  
24.(canceled)

1       25.(currently amended)   An apparatus for simulating a right side pulse and a left side pulse and  
2       correlated heart beat of a human, the apparatus comprising:

3            a playback device for generating a first electronic signal corresponding to the right side  
4       pulse, a second electronic signal corresponding to the left side pulse and a third electronic signal  
5       corresponding to a correlated heart beat;

6            a first housing including a first tactile pulse simulator for receiving the right side arterial  
7       pulse signal and generating a pressure pulses corresponding to a right arm arterial pulse discernible  
8       by touch;

9            a second housing including a second tactile pulse simulator for receiving the left side arterial  
10      pulse signal and generating a pressure pulses corresponding to a left arm arterial pulse discernible  
11      by touch; and

12          a third housing including an audio simulator for receiving the heart beat signal and  
13      generating an audible recreation of the correlated heart beat and designed to be heard through a  
14      stethoscope position on a surface of the housing,

15          wherein the first and second electronic signals are generated from recordings of living  
16      animals including humans and wherein the simultaneous generation of correlated heart sounds and  
17      touch discernible arterial pulses is sufficient to allow training of medical practitioners to  
18      discriminate between normal cardiovascular function and abnormal cardiovascular function.

1       26.(previously presented)   The apparatus of claim 25, wherein the tactile pulse simulators  
2       comprise tactile switches capable of generating pulses simulating the arterial pulses, collapsible tube  
3       apparatuses or piezoelectric transducers.

1       27.(previously presented)   The apparatus of claim 25, wherein the tactile pulse simulators  
2       comprise a resilient cover covering a tactile switch capable of generating pulses simulating the  
3       arterial pulse.